

PAVLOV, K.; ENEV, K.

A case of diffuse hemangiosis of the spleen. Khirurgia, Sofia 14  
no.8:751-753 '61.

1. Iz I obedinena gradska bolnitsa, Sofia.

(SPLEEN neopl) (HEMANGIOMA case reports)

ENEV, K.

Stercoral-purulent fistulas of specific etiology. Khirurgia 15  
no.8:701-711 '62.

1. I gradska obedinena bolnitsa - Sofia, Gl. lekar: L. Tenev.  
(INTESTINAL FISTULA)  
(TUBERCULOSIS GASTROINTESTINAL)

ENEV, K.; IANUSH, V.; BOTEV, S.

Lithiasis of the common bile duct according to experiences  
of the surgical ward of the 1st City Unified Hospital in  
Sofia. Khirurgia 15 no.9/10:934-938 '62.

(CHOLELITHIASIS)

ENEV, K.; PAVLOV, K.; ZLATEV, St.

On some liver and bile duct anomalies. Suvr. med. 14 no.12:  
21-31 '63.

\*

ENEV, K.; PAVLOV, K.

A case of lymphangioma of the stomach. Khirurgia (Sofia) 16  
no.2:195-197 '63.

1. Is khirurgichnoto otdelenie na I gr. obedinena bolnitsa -  
Sofia.

(STOMACH NEOPLASMS) (LYMPHANGIOMA)

ENEV, K.

For more radical surgical methods in hepatic echinococcosis.  
Khirurglia (Sofia) 16 no.6:497-506 '63.

1. I gradska obedinena bolnitsa - Sofia. Gl. lekar: L. Tenev.  
(ECHINOCOCCOSIS, HEPATIC) (HEPATECTOMY)

PAVLOV, K.; ENEV, K.

Liver changes in cholelithiasis and choledocholithiasis.  
(Clinico-anatomical studies). Khirurgia (Sofia) 16 no.8:  
723-734 '63.

1. I gradska obedinena bolnitsa - Sofia. Gl. lekar: L. Tenev.  
(CHOLELITHIASIS) (COMMON BILE DUCT CALCULI)  
(LIVER) (PATHOLOGY)

TENEV, K.; VELCHEV, V.; MUKHLOV, V.

Clinical analysis of 98 patients with obstructive jaundice.  
Khirurgiia (Sofia) 16 no.12:1073-1081 '63.

1. Purva gradska obedinena bolnitsa, Sofia. Gl.lekar L.Tenev.

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PAVLOV, K.; ENEV, K.

A case of emphysematous cystitis. Khirurgiia (Sofia) 17  
no.1:109-112 '64

1. Iz khirurgichnogo i patologoanatomichnogo otdeleniia na  
I gradska bolnitsa, Sofia.

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ENEV, K.; VELCHEV, V.

Our experience with stomach surgery in the aged. Khirurgia  
17 no.2:202-206 '64.

1. Iz khirurgichnogo otdelenie na I gr. obedinena bolnitsa -  
Sofia.

ENEV, K.; BOTEV, St.

Surgery of the liver and biliary tract in aging patients.  
Khirurgiia 17 no.2:218-220 '64.

1. Iz khirurgichnogo otdeleniia na I gr. obedinena bolnitsa -  
Sofia.

ENEV, N.; KARAKOSTOV, K.

Our experience with lumotomy according to Pressman. Khirurgia,  
Sofia 13 no.2-3:276-278 '60.

1. Is khirurgichno otdelenie pri I gr. obedinena bolnitsa - Sofia.  
(KIDNEYS surg.)

BULGARIA

N. ENEV [Affiliation not given]

"Erythrocyte Sedimentation in Solutions of Primary and Tertiary Sodium Citrate."

Sofia, Suvremenna Meditsina, Vol 14, No 2, 1963; pp 53-56.

Abstract [English summary modified]: Comprehensive laboratory and statistical (least square analysis) studies of ESR test results with 118 patients' blood specimens confirmed that inadvertent use of primary instead of tertiary sodium citrate results in an artefactual prolongation of ESR. A 3.8% solution of the primary salt has a pH of about 4.5 as compared with about 7 for the tertiary compound. Chemical structures of the two citrates.

1/1

ENEV, N.

Technic for determining small quantities of substances  
with Pulfrich's photometer. Suvr.med. 14 no.11:25-29 '63.

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ENEV, N.; GORANOV, Iv.

Determination of cholesterol in serum alpha- and beta-lipoproteins.  
Suvr. med. (Sofia) 16 no.3:159-165 '65.

1. Vissh veterinarno-meditsinski institut, Sofia (nachalnik dots.  
N. Kупenov). Submitted November 1963.

L 39545-66 GD

ACC NR: AP6008470

SOURCE CODE: BU/0016/65/000/003/0159/0165

AUTHOR: Enev, N.; Goranov, Iv.

ORG: VMI

TITLE: Cholesterol in serum alpha- and beta-lipoproteins

SOURCE: Suvremenna meditsina, no. 3, 1965, 159-165

TOPIC TAGS: biochemistry, quantitative analysis, photometer

ABSTRACT: This paper reports a modification of the method for determination of the quantity of cholesterol in alpha- and beta-fractions of lipoproteins which makes it possible to use this test in clinical laboratories which have a Pulfrich photometer. The results of tests for various diseases and in healthy control persons are presented. The clinical importance of the method and of the altered interrelations in the quantity of cholesterol in both fractions is discussed. Orig. art. has: 3 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 00Nov63 / ORIG REF: 001 / OTH REF: 011

SOV REF: 001

Card 1/1 11b



ENEV. N.

Bulgaria

Higher Military Medical Institute, Laboratory Section (VMI-Laboratorno otделение), Instructor: N. ENEV.

Sofia, Vutreshni Bolesti, No 3, 1966, pp 384-387.

"Ultramicroexpress Method for Determining of Prothrombin Index."

ENEV, S.

"Enzymatic Scrubbing of Cotton Fabrics." p. 9,  
(LEKA PROMISHLENOST, Vol. 3, No. 3, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4  
No. 5, May 1955, Uncl.

ENEV, S.

Shrinkage of cotton cloth in the finishing process. p. 23.  
Vol. 5, no. 2, Mar./Apr. 1956, TEKHNIKA, SOFIYA, BULGARIA.

Source: East European Accessions Lists, (EEAL) Library of Congress, Vol. 5, No. 10  
Oct. 1956.

ENEV, S.

ENEV, S. Possibility of improving the technology of dyeing olive-colored cotton fabrics with sulfurous dyes and increasing their durability. p. 35. Vol. 5, no. 8, 1956 ELEKTROENERGIJA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol 6, No. 4--April 1957

TSIPORANOV, A., ml. nauch. sutr.; STRIASKOV, N., ml. nauch. sutr.;  
NAKOV, L.; ENEV, St., dotsent

Spinning, weaving and finishing technology of synthetic and  
artificial cloth mixtures on cotton equipment. Trud Inst tekstil  
prom 2:113-125 '62.

1. The Karl Marx Higher Institute of Economics (for Enev).

ENEVA, S.

Some shortcomings in the labor productivity in the Factory of Refractory Materials. Tekh dele 500; 2 24N '63.

1. Zav. seksii pri Sofijske okruzno rukovodstvo na NTS.

ENEVA, Savka

~~Modernization of mechanical looms.~~ Tekh delo 501:2, 30 N '63.

1. Zavezhdashn sektsii pri Sofiiskoto okruzhno rukovodstvo na NTS.

ENEV, Stoiko, dots. inzh.

Possibilities of obtaining a better quality of sheetings  
manufactured in Bulgaria. Tekstilna prom 12 no.1:26-28 '63.

1. Vlash ikonomicheski institut "Karl Marks", Sofia.



ENEV, Stoiko, dots. inzh.; MINKOVA, Rosa, inzh., nauch.sutrudnik

Improving antcrease finish of cellulose fabrics without sharp decrease in their resistance to rubbing. Tekstilna prom 13 no.5:26-30 '64.

1. The Karl Marx Higher Institute of Economics, Sofia (for Enev).
2. Scientific Research Institute of the Textile Industry, Sofia (for Minkova).

ENEV, Stoiko, dots. inzh.; SERAPIMOV, Serafim, inzh., st. prep. .

Fifth International Congress of Dyers. Tekstilna prom 14 no.1:  
46-48 '65.

ENEXCU, GH.

Wood consumption per ton of newsprint mechanical pulp in the 1 Septembrie  
Paper Mill. p. 222.

CELULOZA SI HIRTIE. (Asociatia Stiintifica a Inginerilor si Technicienilor  
din Romania si Ministerul Industriei Petrolului si Chimie) Iucuresti, Rumania.  
Vol. 8, no. 7, July 1959.

Monthly List of East European Accessions (TEAI) LC, Vol. 9, no. 2, Feb. 1960.

Uncl.

ENEYEV, T.M.; PLATONOV, A.K.; KAZAKOVA, R.K.

Determining parameters of the orbit of an artificial satellite  
according to data on ground observations. Isk.sput.Zem.  
no.4:43-55 '60. (MIRA 13:5)  
(Artificial satellites) (Orbits)

AKIM, E.L.; ENEYEV, T.M.

Determining the parameters of motion of a space vehicle from  
trajectory measurement data. Kosm. issl. 1 no.1:5-50 J1-Ag  
'63. (MIRA 17:4)

ACC NR: AP6033389

SOURCE CODE: UR/0293/66/004/005/0651/0669

AUTHOR: Eneyev, T. M.

ORG: none

TITLE: On the application of the gradient method in problems of optimal control theory

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 5, 1966, 651-669

TOPIC TAGS: optimal control, Bryson gradient method, variational problem, numerical solution, control theory, function analysis

ABSTRACT: For the dynamic system described by the equation

$$\dot{x}_i + X(i; x_1, x_2, \dots, x_n; u_1, u_2, \dots, u_m) = 0 \quad (i = 1, 2, \dots, n), \quad (1)$$

where  $t$  is an independent variable,  $x_1, x_2, \dots, x_n$  are variables describing the state of the system at given  $t$  (phase coordinates), and  $u_1, u_2, \dots, u_m$  are control functions, the following variational problem is formulated: to find  $u_1, u_2, \dots, u_m$  such that the performance functional

$$J_0 = J_0(t_k; x_1^k, x_2^k, \dots, x_n^k), \quad (2)$$

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UDC: 518.6:62-50

ACC NR: AP6033389

where  $J_0$  is a continuous function of its arguments, has first and second derivatives with respect to its arguments, and  $x_1^k$  are the values of  $x_1$  at  $t = t_k$ , is extremized. Under the assumption that  $t_k$  and  $x_1^k$  are constrained by  $p$  ( $p \leq n - 1$ ) equations and the constraints on the control functions  $u_i$  are of the inequality type, the solution of the optimal control problem is sought by the gradient method developed by A. E. Bryson and his co-workers (J. Aerospace Sci., 29, April 1962) which consists of improving the control function  $u(t)$  by adding to its initial value (not optimal value) the properly selected first variation  $\delta u(t)$ . It is pointed out that there is no proof that any initial nonoptimal control can be improved by applying the Bryson method. The author studies a series of questions connected with substantiation of the Bryson method and presents on possible version of its realization. The basic problem of the method consists in determining the first variation of the functional  $J_r$  ( $r = 0, 1, \dots, p$ ). The procedure of determining the first variation of  $J_r$  in the form

$$\delta J_r = \int_0^{t_k} \sum_{j=1}^m \Phi_{r,j} \delta u_j dt, \quad (3)$$

where  $\Phi_{r,j}$  (the influence functions) are known functions of  $t$  calculated by given support functions  $u(t)$ , is presented for arbitrary variations of control functions. The methods for constructing  $\delta u(t)$  and for improving the control function are

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ACC NR: AP6033389

described first for the case of one control function and later generalized to many control functions. A detailed algorithm for numerical solution of an optimal control problem consisting of fifteen operations is presented. As an illustration of the method, the well known variational problem concerning the optimal variation of the thrust ensuring that a rocket will reach its maximum altitude is solved. A comparison of these results with the results obtained by other methods indicates that the algorithm presented here made it possible to obtain sufficiently accurate solutions of the variational problem despite the fact that the initial approximation differed substantially from the solution to be determined. It is pointed out that this method is labor consuming and the application of high-speed electronic computers is necessary. Orig. art. has: 1 figure and 72 formulas.

SUB CODE: 12/ SUBM DATE: 14May66/ ORIG REF: 002/ OTH REF: 004/

Card 3/3



ENEYEV, T. M. (Moscow)

"Some problems of the determination of space vehicle orbits from trajectory measurements".

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964.

ENFEDZHIEV, M.

Perineal prostatectomy; experiences and results. Khirurgia,  
Sofia 8 no.1:51-58 1955.

1. Okružna bolnitsa "D-r. Racho Angelov" - Sofia. Gl. lekar:  
Khr. Manchev urologichno otdelenie Zaveshdashch: M. Enfedzhiev.  
(PROSTATE, surgery,  
perineal excis.)

BOIADZHIEV, M.; BOIADZHIEV, S.; LEVI, S.

On classification of tuberculosis of the urogenital organs.  
Khirurgia (Sofia) 17 no.3:337-340 '64.

1. Bolnitsa za kostno-stavna i pikocho-polova tuberkuloza  
(Gl. lekar: Zh. Lereov).

INFEDZHIN, M.N.

Nephrolithiasis - causes, distribution, prevention. Suvmez. med.  
Sofia ll no.2-3:192-201 '60.

1. Is Sofiiskata okrushna bolnitsa "D-r Racho Angelov". Glaven  
lekar: Khr. Manchev.  
(URINARY CALCULI)

ENFEDZHIEV, M. N.

Treatment of urinary calculi with mineral waters. Suvrem med., Sofia  
no.2:47-53 '61.

1. Urologichno otdelenie na Sofiiskata okruzha bolnitsa "D-r P.  
Angelov" (Glav. lekar Khr. Manchev.)

(URINARY CALCULI ther)  
(MINERAL WATERS ther)

ENFEDZHIEV, M. N., BOIADZHIEV, St.; LEVI, N.

Our observations on urogenital tuberculosis and on its therapy. Suvr. med. 12 no.11:75-81 '61.

1. Iz urologichnoto otdelenie na bolnitsata za kostno-stavna i urologichna tuberkuloza v Sofia Pancharevo (Gl. lekar Zh. Lereov).

(TUBERCULOSIS UROGENITAL)

ENFIADZHYAN, A. K.

"Automatic Control for a Carbide Furnace," Prom. Energet., No.6, 1948  
Kirov-Kansk Chemical Factory

ENFIADZHYAN, L. A.

~~ENFIADZHYAN, L. A.~~

Growing pistachios in the Idshevan District. Izv. AN Arm. SSR. Biol. i  
sel'khoz. nauki 7 no. 2: 17-32 '54. (MLRA 9:8)

1. Upravleniye vinogradarstva i plodovodstva Ministerstva sel'skogo  
khoz'yaystva Arмянской SSR i Usuntalinskiy gosпитоnnik.  
(Idshevan District--Pistachio)



ENFIADZHYAN L. A.

ENFIADZHYAN, L.A.

Some ornamental forms of the pomegranate. Izv. AN Arm. SSS. Biol. i  
sel'khoz. nauki 9 no.9:109-115 S '56. (MIRA 9:11)  
(Armenia--Pomegranate) (Plants, Ornamental)

507/30-99-2-24/25

**Enclosure, C. H.**

3(7)  
4/27/2001

Scientific Meeting of the Third Scientific Research Institute  
of Hygiene and Epidemiology (Nanchaya nashlya v Tbilisits makhche-  
nolodovato! then gidrometeorologicheskoy Institute)

[illegible]

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[illegible]

Case 2/3

[illegible]

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KANDELAKI, O.M.; ENFIADZHYAN, L.A.; CHERNYSH, N.S.

Microclimatic conditions of the Lambalu massif in the Armenian  
S.S.R. Trudy Tbil.NIGMI no.5:200-208 '59. (MIRA 13:6)  
(Lambalu region--Microclimatology)

ENFIADZHYAN, L.A.

Agronometeorology in A.B. Bagdasarian's book "Climate of the Armenian  
S.S.R." Meteor. i gidrol. no. 7:49-51 J1 '60. (MIRA 13:7)  
(Armenia--Crops and climate)  
(Bagdasarian, A.B.)

ENFIADZHYAN, L.A.

A very strong tornado. Priroda 51 no.1:89-90 Ja '62.  
(MIRA 15:1)

1. Upravleniye gidrometsluzhby Armyanskoy SSR, Yerevan.  
(Armenia--Tornadoes)

ENFIADZHYAN, L.

Using unheated greenhouses in enterprises. Prom.Arm. 6 no.7:24-25  
Jl '63. (MIRA 16:9)

1. Upravleniye Gidrometeorologicheskoy sluzhby ArmSSR.

SOV/137-58-7-14201

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 34 (USSR)

AUTHORS: Grigoryan, A. L.; Enfiadzhyan, M. A.

TITLE: Thermal Analysis of the Compound  $\text{MoO}_3 + \text{CuO}$ . Communication Nr 1. (Termicheskiy analiz sistemy  $\text{MoO}_3 + \text{CuO}$ . Soobshcheniye 1)

PERIODICAL: Sb. nauchn. tr. Yerevansk. politekhn. in-t, 1957, Nr 16, pp 131-135

ABSTRACT: A fusibility diagram of the compound  $\text{CuO} + \text{MoO}_3$  was constructed by means of thermal analysis. The primary components were obtained from analytically pure reagents. The  $\text{CuO}$  was prepared by the Kazantsev method and then held at  $800-900^\circ\text{C}$  for two hours for dehydration. To obtain  $\text{MoO}_3$ , molybdic acid was first heated for dehydration, then the resulting oxide was sublimated. During the melting of the mixture the melt was mixed to prevent it from becoming supercooled. The rate of cooling in the turned-off furnace in the range of test temperatures did not exceed  $5-8$  degrees  $\text{C}/\text{min}$ . The temperature was measured by a Pt/Pt-Rh thermocouple, calibrated on pure salts. Precision of measurements was  $\pm 3^\circ\text{C}$ ; the time was

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SOV/137-58-7-14201

Thermal Analysis of the Compound (cont.)

marked every 20 sec; the weight of the mixture was 30-35 g. It was established that the fusion temperature of sublimated  $\text{MoO}_3$  is  $795^\circ$ .  $\text{CuO}$  begins to decompose at  $1026^\circ$  and does not melt up to  $1080^\circ$ .  $\text{MoO}_3$  has no polymorphic transformations with measurable thermal effects up to the melting point. The presence of two eutectics with fusion temperatures of  $\sim 600^\circ$  with the composition of 88%  $\text{MoO}_3$  and 12%  $\text{CuO}$  and  $\sim 645^\circ$  at 70%  $\text{CuO}$  and 30%  $\text{MoO}_3$ , also the presence of a Cu molybdate ( $\text{CuMoO}_4$ ) having a melting point of  $\sim 700^\circ$ , was established.

1. Copper oxide-molybdenum oxide systems--Analysis
2. Copper oxide-molybdenum oxide systems--Temperature factors

T. M.

Card 2/2



SHORYGINA, N.V., kand,khim.nauk; ENFIADZHYAN, M.A., inzh.

Improving the permeability of seamless mastic floors. Stroim. mat. 7  
no.2:34-35 F '61. (MIRA 14:3)  
(Floors, Concrete) (Vinyl polymers)

SHORYGINA, N.V., kand.khimicheskikh nauk; ENFIADZHYAN, M.A., inzh.

Increasing the water resistance of polyvinyl acetate mastic  
floors. Stroi. mat. 8 no.4:34-35 Ap '62. (MIRA 15:8)  
(Mastic) (Floors)

TESLENKO, G.I., otv. red.; KHAMRABAYEV, I.Kh., otv. red.;  
ENGALYCHEVA, D.Z., red.; SHAKIROVA, M.R., red.

[Study of the geology of the U.S.S.R.] Geologicheskaya  
izuchennost' SSSR. Tashkent, Nauka, Vol.35. No.1. 1965.  
259 p. (MIRA 18:7)

ENGEL', A.S.; AVRAMENKO, P.A.

Improving radial caprone-(polypropylene)-metal supports for  
turbodrills. Neft. i gaz. prom. no.4:32-33 O-D '64  
(MIRA 18:2)

ENCER, A.S.; AVRAMENKO, P.S.

Using electric hits in the Shstelinia gas field. Neft. i gaz.prom.  
no.1175-37 Ja-Me '85. (MIRA 2818)

"APPROVED FOR RELEASE: Thursday, July 27, 2000

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MURZOVA, R.M.; RAYKOVA, I.A., doktor biol. nauk, otv. red.;  
ENGALYCHEVA, D.Z., red.

[Peganum crithmifolium and the possibilities for its  
introduction into cultivation] Miagkoplodnik rassechen-  
nolistnyi i vozmozhnosti vvedeniya ego v kul'turu.  
Tashkent, Izd-vo "Nauka," UzSSR, 1965. 45 p.  
(MIRA 18:12)



ENGARDT, N. N.

USSR/Processes and Equipment for Chemical Industries - Control and Measuring Devices.  
Automatic Regulation, K-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 64001

Author: Engardt, N. N.

Institution: None

Title: Investigation of Platinum-Platinum, Rhodium Thermocouples of Higher Purity Materials

Original

Periodical: Izmerit. tekhnika, 1956, No 2, 20-23

Abstract: Reported is a procedure for making new platinum-platinum, rhodium thermocouples from materials of higher purity with a  $R_{100}/R_0$  ratio close to 1.3922-1.3924 in lieu of the previously produced platinum of "Extra" grade the purity of which was characterized by a ratio  $R_{100}/R_0 = 1.391$ . Presented are the results of investigations concerned with ascertaining the degrees of stability of their readings and determination of the progression course of the calibration curve in the region of extrapolation of thermo emf. Calibration of

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USSR/Processes and Equipment for Chemical Industries - Control and Measuring Devices.  
Automatic Regulation, K-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 64001

Abstract: thermocouples made of materials of higher purity was effected in shaft furnaces on the basis of the solidification points of the metals: Cd, Zn, Sb, and eutectics Ag = Cu, Ag = Au = Cu. Thermo emf of the thermocouples measured during ~200 hours of operation, at the reference points show a nonreproducibility of values not exceeding 2-3  $\mu$ v. Thermocouples made from "Extra" grade Pt usually show a consistent change in magnitude of thermo emf by 5-10  $\mu$ v within 100-150 hours of operation, which corresponds to 0.5-1.0°. The desirability is pointed out of evolving calibration characteristics for the new thermocouples in accordance with the quadratic formula with the reference points: Cd, Sb, Cu, since the resulting deviations of experimental data from the calculated are in this case minimal and  $\leq 0.06^\circ$  within the entire temperature interval from 300 to 1,100°. Described are the procedures and presented are the results of calibration of the thermocouples at temperatures  $> 1,100^\circ$ .

Card 2/2

Engelthaler, K.; Chroust, F.

Ceramic faced bricks of L type. p.106

(Stavivo. Vol. 35, no. 3, Mar. 1957 Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957 Uncl.

LORBERG, M.G., inzhener; MINAYEV, A.F. (Leningrad); SOTNIKOV, B.I.;  
ENGEL', B.Y.; RADOSTAYEV, N.I.; VOROB'YEV, A.S.; MINASYAN,  
I.S.; BAKSHIYEVA, S.I. (Moskva); KOROCHANSKIY, V.K. (Moskva).

Combined work teams as an untapped resource in raising labor  
productivity. Stroil. prom. 33 no.11:5-14 N '55. (MLRA 9:2)

1.GPI Leningradskiy Promstroyproyekt (for Lorberg).2.Magnito-  
stroy (for Sotnikov).3.Liskhimpromstroy (for Engel').4.Tagil-  
stroy (for Radostayev).5.Trest Kaspromstroy (for Vorob'yev).  
6.Stroitel'noye upravleniye No.3 tresta Asbestozavodstroy  
(for Minasyan).

(Construction industry)

Z/009/60/000/01/036/038  
E112/E253

AUTHORS: Gregor, F., and Engel, E

TITLE: Course of Alkaline Saponification of Polyvinyl Acetate<sup>1</sup>  
in a Mixture of Methyl Alcohol - Methyl Acetate

PERIODICAL: Chemický průmysl, 1960, Nr 1, pp 53-55

ABSTRACT: Polyvinyl alcohol is produced by alkaline saponification of polyvinyl acetate. Saponifying agents are anhydrous methyl alcohol and a small amount of sodium methylate. In contrast to older methods this is an alcoholic process and by-products of the reaction are a mixture of methyl acetate and methyl alcohol. Since the saponification is normally carried out with a 15 to 20% solution of polyvinyl acetate the method necessitates a separation by distillation of large quantities of the mixture methyl acetate- methyl alcohol. This increases costs of production and the authors have studied therefore the possibility of using a mixture of methyl acetate methyl alcohol for the saponification process instead of pure methyl alcohol. The feasibility of the process is summarized in a table indicating that polyvinyl alcohol of desired properties can be obtained if the content of methyl acetate in the reaction mixture does not exceed

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Z/009/60/000/01/036/038  
E112/E253

Course of Alkaline Saponification of Polyvinyl Acetate in a  
Mixture of Methyl Alcohol - Methyl Acetate

60%. Under these conditions the polyvinyl alcohol can be filtered off readily and the filtrate can be used without further purification for the saponification of further batches. The authors have shown that it is possible to produce without separation and purification of the reaction medium by fractional distillation, eleven consecutive batches. Experimental details: Pearl polyvinyl acetate is dissolved in the appropriate solvent mixture in a round bottomed flask, fitted with stirrer and reflux condenser. The temperature is brought to 50°C and sodium methylate is added through the reflux condenser. Stirring is continued and after some time the solution thickens and the polyvinyl alcohol separates later as a compact gel. Rapid stirring converts it into a powder. Ease of filtration of separated polyvinyl alcohol is a point to which particular attention is paid. A graph is given, showing the effect of polyvinyl acetate concentration in the solvent on the number of processes

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Z/009/60/000/01/036/038  
E112/E253

Course of Alkaline Saponification of Polyvinyl Acetate in a  
Mixture of Methyl Alcohol - Methyl Acetate

which can be operated from the same solvent mixture.  
There are 3 figures, 2 tables and 3 references, 1 of  
which is Czech and 2 German. ✓

ASSOCIATION: Výskumný ústav prepetrochémiu, Nováky  
(Research Institute for Petrocarbon Chemistry, Nováky)

SUBMITTED: August 28, 1959

Card 3/3

ENGEL, E.

Distr: 4E2c(j)

✓ Course of alkaline saponification of poly(vinyl acetate) in a mixture of methyl alcohol-methyl acetate. František Gregor and Ervin Engel (Výzk. ústav pro petrochemii, Nováky, Czech.). Chem. průmysl 10, 63-8(1960). To increase the economical efficiency, the influence has been studied of the presence of MeOAc on the sapon. of 20 g. poly(vinyl acetate) + 0.4 g. NaOH in 300 g. of a mixt. of MeOAc + MeOH at 60°, the content of MeOAc in the solvent mixt. being varied between 0 and 98% by wt.; time of reaction = 140 min. From the results obtained it is concluded that the reaction can be carried out in the presence of MeOAc up to 60%, the content of acetyl groups increasing from 8.57% for 0% MeOAc to 6.0% for 60% MeOAc; the no. of sapon. carried out without sepn. of MeOAc from the solvent mixt. can be increased to 11. J. Sebenda

4  
1-99 (NA)

SH  
BR



ENGEL, Frantisek, generalmajor MUDr.; RICKA, Jan, plukovník MUDr

20 years of medical service of the Czechoslovak People's Army.  
Voj. zdrav. listy 34 no.3:93-96 Je '65.

ENGEL', F.F., ENG.

Tsimlyansk-Drainage

Artificial lowering of the ground water level. Mekh. trud. rab. 6 No.7, 1952

Monthly List of Russian Accessions, Library of Congress, October 1951, UNCLASSIFIED

1. ~~ENGEL~~, F. F., Eng.
2. USSR (600)
4. Kuybyshev Hydroelectric Power Station
7. Lowering the water level at the Kuybyshev hydro construction project. Mekh trud rab. No. 12 1952

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ENGEL, F.F.

1. BURDAK, N.M.; MUKHIN, A.A.; ENGEL, F.F.

2. USSR (600)

4. Drainage

7. New method for lowering the water level, N.M. Burdak, A.A. Mukhin, F.F. Engel'.  
Mekh.trud.rab. 7 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

ENGEL', F. F.

USSR/Engineering

Card 1/1

Author : Engel', F. F., engineer

Title : Deep water pumping

Periodical : Nauka i Zhizn' 21/2, 3-6, Feb/1954

Abstract : The work of building the Kulbyshov State Electric Power Plant has been going on for three years. Water is kept out of the excavations by lowering the ground water. This is done by sinking wells. These are similar to oil wells with tubing and filters. There are about 450 such wells over an area of about 80 hectares. The water is pumped out of these wells and compressed air is used to put pressure on the walls and force the water up. Drawings.

Institution : .....

Submitted : .....

ENGEL', F.F. laureat Stalinskoy premii.

Control of ground water at the Kuybyshev Hedroelectric Power Station  
site. Mekh.trud.rab. 9 no.12:27-28 D '55. (MLRA 9:5)

1. Nachal'nik rayona spetsial'nykh rabot Kuybyshevgidrostroya.  
(Water, Underground) (Kuybyshev Hydroelectric Power Station)

SOV/112-57-9-18491

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 9, p 57 (USSR)

AUTHOR: Engel', F. F.

TITLE: Water-Table Lowering at Kuybyshevgidrostroy  
(Proizvodstvo vodoponizitel'nykh rabot na Kuybyshevgidrostroye)

PERIODICAL: V sb.: Opyt iskusstv. ponizheniya urovnya grunt. vod na str-ve  
gidroelektrostantsiy, M.-L. Gosenergoizdat, 1956, pp 7-15

ABSTRACT: Bibliographic entry.

Card 1/1

ENGEL, F.F.

ANDON'YEV, V.L.; BAUM, V.A.; BAUMGARTEN, N.K.; BERKZIN, V.D.; BIRYUKOV, I.K.;  
BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVY, G.A.; BULEV, M.Z.; BURAKOV,  
N.A.; VERTSAYZER, B.A.; VOVK, G.M.; VORMAN, B.A.; VOSHCHININ, A.P.;  
GALAKTIONOV, V.D., kand. tekhn. nauk; GEMKIN, Ye.M.; GIL'DENBIAT,  
Ye.D., kand. tekhn. nauk; GINZBURG, M.M.; GLEBOV, P.S.; GODES, E.G.;  
GORBACHEV, V.N.; GRZHB, B.V.; GHEKULOV, L.F., kand. s.-kh. nauk;  
GRODZENSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO,  
Yu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK,  
A.P.; ZHENKOVICH, D.K.; ZIMAROV, Ye.V.; ZIMASKOV, S.V.; ZUBRIK, K.M.;  
KARANOV, I.F.; KNYAZEV, S.N.; KOLEGAYEV, N.M.; KOMAROVSKIY, V.T.;  
KOSSENKO, V.P.; KORNNISTOV, D.V.; KOSTROV, I.N.; KOTLYARSKIY, D.M.;  
KRIVSKIY, M.N.; KUZNETSOV, A.Ya.; LAGAR'KOV, N.I.; LGALOV, V.G.;  
LIKHACHEV, V.P.; LOGUNOV, P.I.; MATSKOVICH, K.F.; MEL'NICHENKO,  
K.I.; MENDEL'EVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. nauk;  
MUSIYVA, R.N.; NATANSON, A.V.; NIKITIN, M.V.; OVES, I.S.;  
OGUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSHEIN,  
G.A., prof.; P'YANKOVA, Ye.V.; RAPOPORT, Ya.D.; RYMEZOV, N.P.;  
ROZANOV, M.P., kand. biol. nauk; ROCHKOVOV, A.G.; RUBINCHIK, A.M.;  
RYBCHESVSKIY, V.S.; SADCHIKOV, A.V.; SEMENTSOV, V.A.; SIDENKO, P.M.;  
SINYAVSKAYA, V.T.; SITAROVA, M.N.; SOSNOVIKOV, K.S.; STAVITSKIY,  
Ye.A.; STOLYAROV, B.P. [deceased]; SUDZILOVSKIY, A.O.; SYRTSOVA,  
Ye.D., kand. tekhn. nauk; FILIPPSKIY, V.P.; KHALTURIN, A.D.;  
TSISHNEVSKIY, P.M.; CHERKASOV, M.I.; CHERNYSHEV, A.A.; CHUSOVITIN,  
N.A.; SHESTOPAL, A.O.; SHEKHTER, P.A.; SHISHKO, G.A.; SECHERBINA,  
I.N.; ENGEL', F.F.; YAKOBSON, A.G.; YAKUBOV, P.A., ARKHANGL'SKIY,  
(Continued on next card)



ANDON'YEV, V.L.... (continued) Card 2.

Ye.A., retsenzent, red.; AKHUTIN, A.N., retsenzent, red.; BALASHOV, Yu.S., retsenzent, red.; BARABANOV, V.A., retsenzent, red.; BATUNER, P.D., retsenzent, red.; BORODIN, P.V., kand. tekhn. nauk, retsenzent, red.; VALUTSKIY, I.I., kand. tekhn. nauk, retsenzent, red.; GUBIN, M.F., GRIGOR'YEV, V.M., kand. tekhn. nauk, retsenzent, red.; YERMOLOV, A.I., retsenzent, red.; GULAYEV, I.N., retsenzent, red.; KARAULOV, B.F., retsenzent, kand. tekhn. nauk, retsenzent, red.; KRITSKIY, S.N., doktor tekhn. nauk, retsenzent, red.; LIKIN, V.V., retsenzent, red.; IUKIN, V.V., retsenzent, red.; IUSKIN, Z.D., retsenzent, red.; MATRIROSOV, A.Kh., retsenzent, red.; MENDELEYEV, D.M., retsenzent, red.; MERKEL', M.F., doktor tekhn. nauk, retsenzent, red.; OBRIZKOV, S.S., retsenzent, red.; PETRASHEN', P.N., retsenzent, red.; POLYAKOV, L.M., retsenzent, red.; RUMYANTSEV, A.M., retsenzent, red.; RYABCHIKOV, Ye.I., retsenzent, red.; STASENKOV, N.G., retsenzent, red.; TAKANAYEV, P.F., retsenzent, red.; TARANOVSKIY, S.V., prof., doktor tekhn. nauk, retsenzent, red.; TIZDEL', R.R., retsenzent, red.; FEDOROV, Ye.M., retsenzent, red.; SHEVYAKOV, M.N., retsenzent, red.; SHMAKOV, M.I., retsenzent, red.; ZHUK, S.Ya. [deceased], akademik, glavnyy red.; HUSSO, G.A., kand. tekhn. nauk, red.; FILIMONOV, N.A., red.; VOLKOV, L.N., red.; GRISHIN, M.M., red.; ZHURIN, V.D., prof., doktor tekhn. nauk, red.; KOSTROV, I.N., red.; LIKHACHEV, V.P., red.; MEDVEDEV, V.M., kand. tekhn. nauk, red.; MIKHAYLOV, A.V., kand. tekhn. nauk, red.; PETROV, G.D., red.; RAZIN, N.V., red.; SOBOLEV, V.P., red.; FERINGER, B.P., red.; FREYGOFER, (Continued on next card)

ANDON'YEV, V.L.... (continued) Card 3.

Ye.F., red.; TSYPLAKOV, V.D. [deceased], red.; KORABLINOV, P.M.,  
tekhn. red.; GMEKIN, Ye.M., tekhn. red.; KACHEROVSKIY, N.V., tekhn.  
red.

[Volga-Don; technical account of the construction of the V.I. Lenin  
Volga-Don Navigation Canal, the TSimlyansk Hydroelectric Center,  
and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitel'-  
stve Volgo-Donskogo sudokhodnogo kanala imeni V.I. Lenina, TSim-  
lianskogo gidrousla i orositel'nykh sooruzhenii, 1949-1952; v plati  
tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural  
descriptions] Obshchee opisanie sooruzhenii. Glav. red. S.IA. Zhuk.  
Red. toma M.M. Grishin. 1957. 319 p. Vol.2. [Organization of con-  
struction. Specialized operations in hydraulic engineering] Orga-  
nizatsiia stroitel'stva. Spetsial'nye gidrotekhnicheskie raboty.  
(Continued on next card)

ANDON'YEV, V.L.... (continued) Card 4.

Glav. red. S. I. A. Zhuk. Red. toma I. N. Kostrov. 1958. 319 p.  
(MIRA 11:9)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsii. Byuro  
tekhnicheskogo otkheta o stroitel'stve Volgo-Dona. 2. Chlen-kor-  
respondent Akademii nauk SSSR (for Aldutin). 3. Deystvitel'nyy  
chlen Akademii stroitel'stva i arkhitektury SSSR (for Grishin,  
Razin).

(Volga Don Canal—Hydraulic engineering)

AUTHOR: Engel', F.F., Engineer SOV/98-58-11-4/15  
TITLE: Water-Lowering Operations During the Construction of the  
Kuybyshev Hydraulic System (Vodoponizitel'nyye raboty pri  
sooruzhenii Kuybyshevskogo gidrouzla)  
PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 11, pp 21-24  
(USSR)  
ABSTRACT: The water-lowering operations conducted when the foundation  
ditch for the Kuybyshev Hydroelectric Power Plant was exca-  
vated, are described in this article. They consisted main-  
ly in the high-speed drilling of bore-wells for the in-  
stallation of filtering columns. There are 3 diagrams.

1. Construction—USSR 2. Water—Control

Card 1/1

AUTHOR: Engel', F.F., Engineer

SOV/98-58-12-15/21

TITLE: Ground Water Lowering by Hydrotechnical Engineering in the GDR (Stroitel'noye vodoponizheniye v GDR)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 12, pp 48 - 49 (USSR)

ABSTRACT: The author advocates a method of lowering the ground water level which is applied in East Germany and which is said to be better and easier than the method used in the USSR, where heavy drilling equipment, drive pipes and expensive deep water suction pumps have to be applied. There are 3 diagrams and 2 tables.

Card 1/1

SHESTOPAL, Aleksandr Osipovich, inzh.; FUKSON, M.M., kand.tekhn.nauk,  
retsensent; SHESTAKOV, V.M., kand.tekhn.nauk, retsensent;  
ENGEL', F.F., inzh., retsensent; PETROV, G.D., inzh., nauchnyy  
red.; ORLOV, A.G., inzh., nauchnyy red.; MAR'YANSKIY, L.M.,  
inzh., red.; AKULOV, D.A., tekhn.red.

[Using hydraulic methods in submerging pipes, piles, and pile  
planks] Gidravlicheskie pogrusheniye trub, svai i shpunta.  
Moskva, Gidroproekt, 1959. 67 p. (MIRA 13:6)  
(Pipelines) (Piling (Civil engineering))

ENGEL', F.F., inzh.

Soil stabilization and operations for lowering the water table in  
the German Democratic Republic. Gidr. stroi. 30 no.10:58-61 O '60.  
(MIRA 13:10)

(Germany, East—Soil stabilization) (Drainage)

ENGEL', F.F., inzh.

Some remarks on the designs of boreholes for water-supply systems  
and for the lowering of the water table. Gidr.stroi 31. no12:19-22  
F '61. (MIRA 14:3)

(Water, Underground)



SHESTOPALOV, Aleksandr Osipovich, kand. tekhn. nauk; BONDARENKO,  
Viktor Ivanovich, inzh.; KOSTROV, I.N., inzh., retsenzent;  
ENGEL', F.F., inzh., nauchnyy red.; GENKIN, Ye.M., red.;  
SEMUSHKIN, I.S., tekhn. red.

[Lowering the water level in the construction of the Volga  
Hydroelectric Power Station (22d Congress of the CPSU)] Vo-  
doponizhenie na stroitel'stve Volzhskoi gidroelektrostantsii  
imeni XXII s"ezda KPSS. Moskva, Gidroproekt, 1962. 86 p.  
(MIRA 17:4)

ALEKSEYEV, G.P.; ANDON'YEV, V.S.; ARNGOL'D, A.V.; BASKIN, S.M.;  
 HASHMAKOV, N.A.; BEREZIN, V.D.; BERMAN, V.A.; BIYANOV, T.F.;  
 GORBACHEV, V.N.; GRECHKO, I.A.; GRINBUKH, G.S.; GROMOV, M.F.;  
 GUSEV, A.I.; DEMENT'YEV, N.S.; DMITRIYEV, V.P.; DUL'KIN, V.Ya.;  
 ZVANSKIY, M.I.; ZENKEVICH, D.K.; IVANOV, B.V.; INYAKIN, A.Ya.;  
 ISAYENKO, P.I.; KIPRIYANOV, I.A.; KITASHOV, I.S.; KOZHEVNIKOV,  
 N.N.; KORMYAGIN, B.V.; KROKHIN, S.A.; KUDOYAROV, L.I.;  
 KUDRYAVTSEV, G.N.; LARIN, S.G.; LEBEDEV, V.P.; LEVCHENKOV,  
 P.N.; LEMZIKOV, A.K.; LIPGART, B.K.; LOPAREV, A.T.; MALYGIN,  
 G.F.; MILOVIDOVA, S.A.; MIRONOV, P.I.; MIKHAYLOV, B.V., kand.  
 tekhn. nauk; MUSTAFIN, Kh.Sh., kand. tekhn. nauk; NAZIMOV, A.D.;  
 NEFEDOV, D.Ye.; NIKIFOROV, I.V.; NIKULIN, I.A.; OKOROCHKOV, V.P.;  
 PAVLENKO, I.M.; PODROBINNIK, G.M.; POLYAKOV, G.Ya.; PUTILIN, V.S.;  
 RUDNIK, A.G.; RUMYANTSEV, Yu.S.; SAZONOV, M.N.; SAZONOV, N.F.;  
 SAULIDI, I.P.; SDOBNIKOV, D.V.; SEMENOV, N.A.; SKRIPCHINSKIY, I.I.;  
 SOKOLOV, N.F.; STEPANOV, P.P.; TARAKANOV, V.S.; TREGUBOV, A.I.;  
 TRIGER, N.L.; TROITSKIY, A.D.; FOKIN, F.F.; TSAREV, B.F.; TSETSULIN,  
 N.A.; CHUBOV, V.Ye., kand. tekhn. nauk; ENGEL', F.F.; YUROVSKIY,  
 Ya.G.; YAKUBOVSKIY, B.Ya., prof.; YASTREBOV, M.P.; KAMZIN, I.V., prof.,  
 glav. red.; MALYSHEV, N.A., zam. glav. red.; MEL'NIKOV, A.M., zam.  
 glav. red.; RAZIN, N.V., zam. glav. red. i red. toma; VARPAKHOVICH,  
 A.F., red.; PETROV, G.D., red.; SARKISOV, M.A., prof., red.;  
 SARUKHANOV, G.L., red.; SEVAST'YANOV, V.I., red.; SMIRNOV, K.I.,  
 red.; GOTMAN, T.P., red.; BUL'DIAYEV, N.A., tekhn. red.

(Continued on next card)

ALEKSEYEV, G.P.---(continued). Card 2.

[Volga Hydroelectric Power Station; a technical report on the design and construction of the Volga Hydroelectric Power Station (Lenin), 1950-1958] Volzhskaya gidroelektrostantsiya; tekhnicheskii otechet o proektirovanii i stroitel'stve Volzhskoi GES imeni V.I.Lenina, 1950-1958 gg. V dvukh tomakh. Moskva, Gosenergoizdat. Vol.2.[Organization and execution of construction and assembly work] Organizatsiia i proizvodstvo stroitel'no-montaznykh rabot. Red. toma: N.V.Razin, A.V.Arngol'd, N.L.Triger. 1962. 591 p. (MIRA 16:2)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Razin).

(Volga Hydroelectric Power Station (Lenin)--Design and construction)

XENGEL', G.A.

Electric apparatus and Appliances

Rod with magnifying mirror for inspection of high voltage installations, Rab, energ, 2,  
no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, UNCLASSIFIED.

ENGEL, G.A.

AUTHOR: Bar, I.G. and Engel G.A., Engineers. 104-4-20/40

TITLE: The first year of operation of mechanised repair stations.  
(Pervyy god ekspluatatsii remontnykh mekhanizirovannykh stantsiy.)

PERIODICAL: "Elektricheskie Stantsii" (Power Stations), 1957,  
Vol. 28, No.4, pp. 67-70 (U.S.S.R.)

ABSTRACT: Recent increases in the volume of repair and operational work on transmission lines that has resulted from extension of the lines has obliged the operating staff to reorganise their work and to improve its technical basis. With this end in view in 1955-56 the power systems created 150 mechanised repair stations and in 1957 a further 14. Mechanised repair stations represent a new type operational organisation which replace line sections. Repair and operational work on the lines is carried out by centralised complex methods. With these methods the work can be carried out in two or three patrols with great economy of time as compared with piecemeal repair in which the repair squads repaired individual defective elements and wasted much time on going from one place to another and in climbing up and down poles. With complex organisation of repair work the brigade carries out the greatest possible amount of work every time that it goes out on

1/2

8(6)

SOV/112-59-5-8841

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 61 (USSR)

AUTHOR: Barg, I. G., and Engel', G. A.

TITLE: Experience With Mechanized Repair Stations in High-Voltage Power Networks

PERIODICAL: Naladochnyye i eksperm. raboty ORGRES, Nr 15, 1958, pp 36-42

ABSTRACT: Experience is described with using the combined method of line work in electrical networks. Experimental models of specialized machines and mechanisms were developed: line-type automobile, three-part telescopic towers, automobile boring machine with a crane, a machine for replacing parts of wooden towers, etc. Data is presented that characterizes the efficiency of such mechanized repair stations and also their economy. Ways for further developing and adopting the combined repair methods in electric networks are mapped out.

F.F.V.

Card 1/1

SOV/91-59-2-2/33

AUTHORS: Popov, V. V., and Engell, G. A., Engineers

TITLE: The Factory-Like Impregnation of Wood under Local Conditions  
(Zavodskaya propitka drevesiny v mestnykh usloviyakh)

PERIODICAL: Energetik, 1959, Nr 2, pp 3 - 6 (USSR)

ABSTRACT: The service time of the wooden elements of electric and communication power lines, well-impregnated with oil antiseptics, reaches up to 50 years, provided that wood was subjected to drying of the alburnum and the pith to such an extent that the humidity did not exceed 20%. The salvaged old wooden elements of the lines, such as the poles, can be utilized up to 50% in the form of smaller wooden components, which necessitates new impregnation. ORGRES has designed an impregnating unit usable under local conditions. One such unit was assigned to every district of the power and communication network. The article describes the structural features, operational process and operational cost of such an impregnating plant. It needs only three attendants, and its optimal capacity can be 3000 m<sup>3</sup> of wood per three-shift workday. It states, that the expenses involved in the construct-

Card 1/2

SOV/91-59-2-2/33

The Factory-Like Impregnation of Wood under Local Conditions

ion of such a plant would be compensated for in about 1½ years, through low operational cost, recurrent use of old wood in smaller and smaller forms, and elimination of the need to use railroads for transportation of wood to and from standard impregnating plants. There is one photo, one table, one graph and one diagram.

Card 2/2



8(3)

SOV/91-59-6-2/33

AUTHORS: Engel', G.A. and Drukman, R.B., Engineers

TITLE: On the Tables of Permanent Personnel Strength on the  
Lines of 35-220kv Power Networks

PERIODICAL: Energetik, 1959, Nr 6, pp 4-5 (USSR)

ABSTRACT: This article presents the results of a study on the utilization of maintenance personnel on 35-220kv power lines, conducted by the OGRES in 18 network districts. The study revealed a lack of uniformity in allocating personnel and showed that up to 16.5% of the total work time used is spent on work outside of assigned duties, such as on the new construction and reconstruction projects. The down time, time spent on travel to place of work, on handling supplies, etc., amounted to 23.5% of the total. The creation of mechanized repair stations (RMS) and a series of technical improvements in servicing the lines, combined with better utilization of available

Card 1/2

SOV/91-59-6-2/33

On the Tables of Permanent Personnel Strength on the Lines of  
35-220kv Power Networks

maintenance personnel, would permit a drop of  
550 repairmen and 20 foremen in 18 districts alone.  
The work norms should specify that one repairman  
service 26 km of the power network, one foreman  
225-280 km of the power network, which would result in  
an increase of labor productivity by 25%. In areas  
difficult to traverse, the above length of power  
line per worker must be reduced by 20%. In a footnote,  
the editing office invites the readers to make their  
suggestions on the above matter.

Card 2/2

SOV/91-59-8-20/28

8(6)

AUTHOR:

~~Engel, G.A.~~ Engineer

TITLE:

Installing an Insulated Ladder on a Telescope Mount

PERIODICAL:

Energetik, 1959, Nr 8, p 29 (USSR)

ABSTRACT:

The author describes a method of installing an insulated ladder on the mount of a telescopic tower. About 25-30 minutes are required for exchanging the telescopic tower against the ladder. The exchange of the telescopic tower against an insulating ladder was first suggested at Uzbekenergo. For this purpose, a special frame was designed for a convenient removal of the telescopic tower, as shown in fig.1. The installation of the insulating ladder instead of the telescopic tower is shown in fig. 2. The insulating ladder is used for work on 35-110 kv lines without switching off the voltage and for various other maintenance work on power lines. There are 2 diagrams.

Card 1/1

POPOV, V.V., inzh.; ENGEL', G.A., inzh.

Mechanized impregnation of wood under local conditions. Energetik  
7 no2:3-6 F '59. (MIRA 12:1)  
(Electric lines—Poles)

DRUKMAN, R.B., inzh.; ENGEL', G.A., inzh.

"Grounding systems" from the new "Regulations for operating  
electric networks and power plants." Energetik 9 no.8:30-31  
Ag '61. (MIRA 14:8)  
(Electric power distribution) (Electric power plants)

DRUKMAN, R.B., inzh.; ENGEL', G.A., inzh.

Changes in "Overhead electric power transmission lines" of the new  
"Regulations for operating electric power plants and electric net-  
works." Energetik 9 no.7:28-30 J1 '61. (MIRA 14:9)  
(Electric lines--Overhead) (Electric power distribution)

ENGEL, G.A.

Saturation of wood with oil-base antiseptics. Energetik  
10 no.1:35 Ja '62. (MIRA 14:12)  
(Electric lines--Poles)

ENGEL', G.A.

Use of grounding conductors. Energetik 11 no.5:42 My '53.  
(MIRA 16:7)

(Electric currents--Grounding)



ZHALIMBETOV, S.Zh.; ENGEL', G.L.; KANAKI, V.K.; BUYANOV, A.N.

Properties of cast iron with spheroidal graphite modified  
by a mixture of magnesium chloride and calcium silicon.  
Lit. proizv, no.11:4-7 N '64. (MIRA 18:8)

ENGEL, G.M.

Methods of isotope paleothermometry. Nauch. trudy TashGU no. 256  
Geol. nauki no. 22:169-175 '64 (MIRA 1822)

ENGEL, H.

A method of computing the change gear with the aid of a single slide rule. p.595

METALURGIA SI CONSTRUCTIA DE MASINI. (Ministerul Industriei Metalurgice si Constructiilor de Masini si Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti, Rumania  
Vol. 11, no.7, July 1959

Monthly List of East European Acquisitions (EEAI) IG, Vol. 9, no.2 Feb. 1960

Uncl.

ENGEL, Harry

Selecting optimum variant of the changewheel gear in lathes and  
milling machines with a reduced number of wheels. Metalurgia  
constr mas 13 no.12:1072-1075 N '61.